ABSTRACT OF THE DISCLOSURE

BLENDING MULTIPLE IMAGES FOR HIGH RESOLUTION DISPLAY

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A system and method for transforming multiple one-bit per pixel images for presentation on a device comprises the steps of: converting the one-bit per pixel images to multiple bits per pixel images; overlapping the images according to an overlap function; converting the overlapped image into a dithered one-bit per pixel

10   image by applying a spatial dithering algorithm; and presenting the dithered image on a display. Another method according to the invention comprises the steps of: applying different stipple patterns to one-bit per pixel images; then overlaying the stippled images to create a composite stippled image; and presenting the stippled image on a display. An apparatus configured for carrying out the above steps for

15   displaying multiple images on a high resolution display comprises: a processor, random access memory, erasable programmable memory, and an input/output subsystem, including a display.

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